



Appn No. 10/809,443 by R. J. MARTIN
Filed March 25, 2004; Atty Dkt. 3427-101
REPLACEMENT PAGE 1 of 22

FIGURE 1

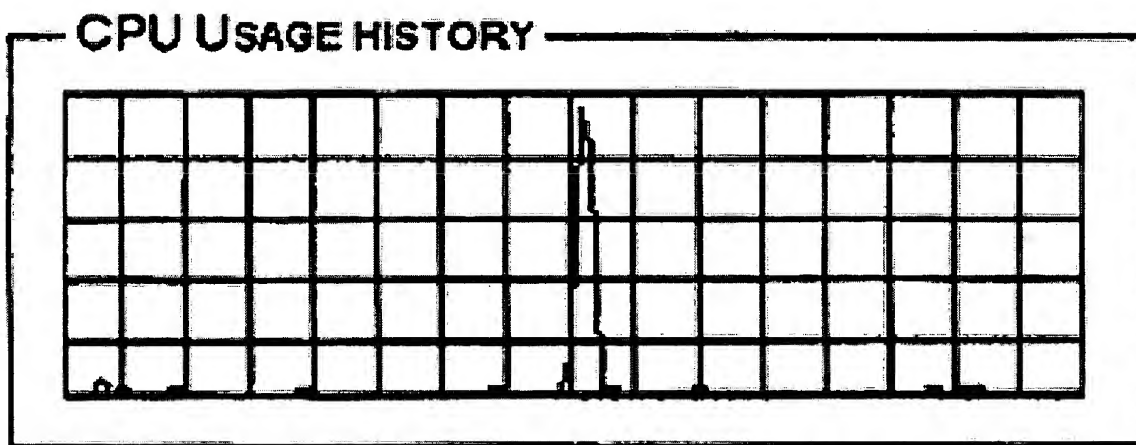


FIGURE 2

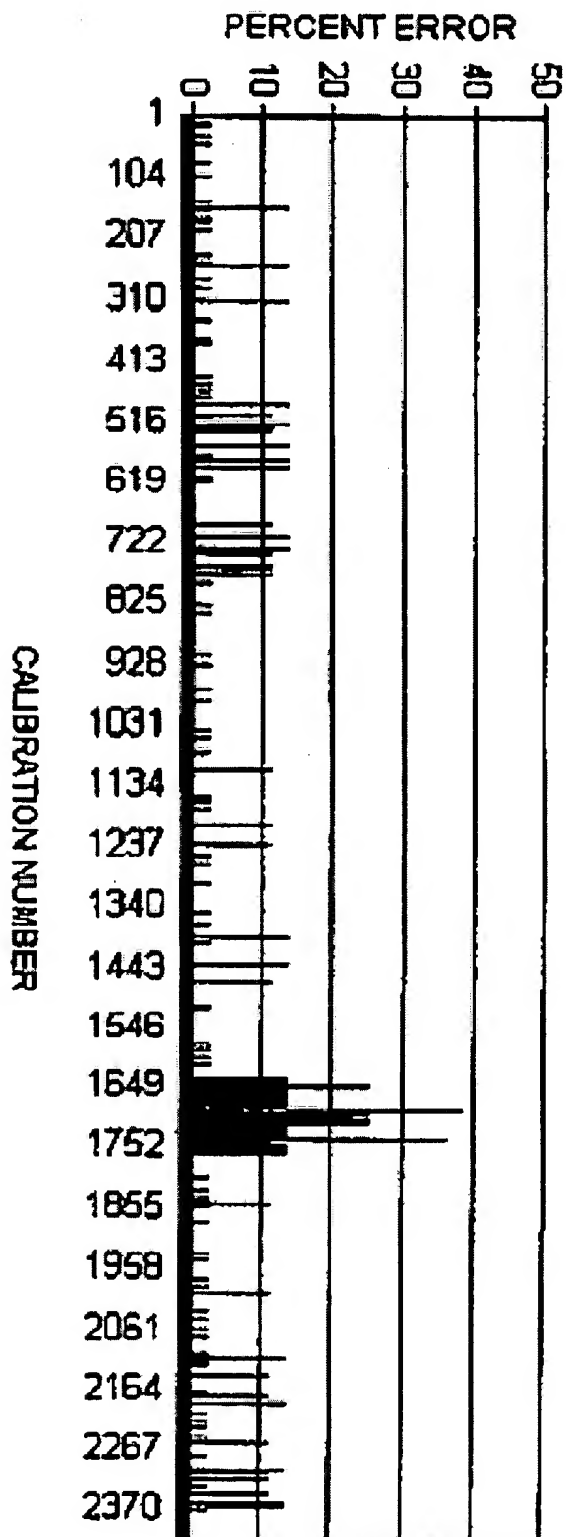


FIGURE 3

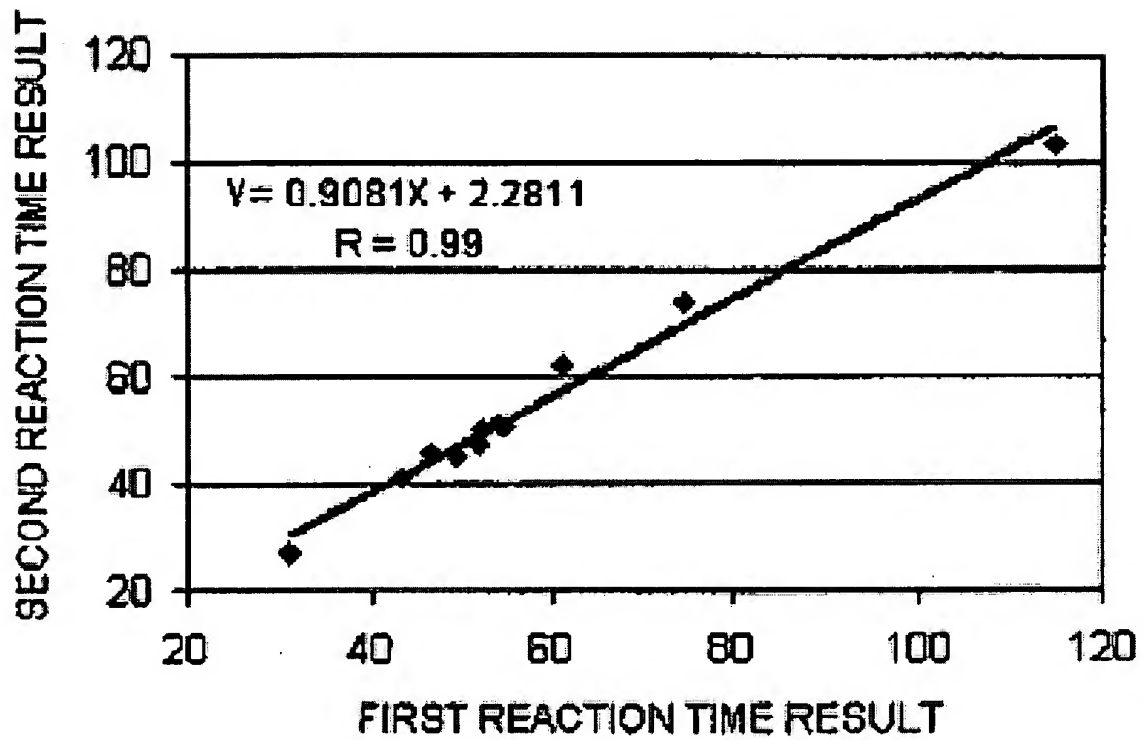


FIGURE 4

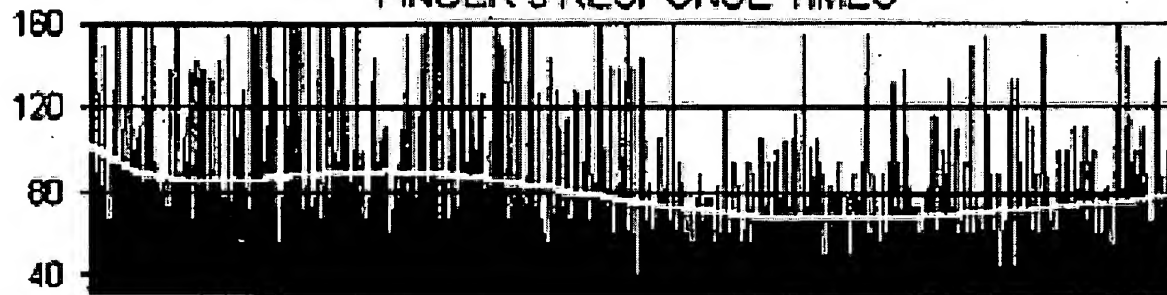
FINGER 1 RESPONSE TIMES



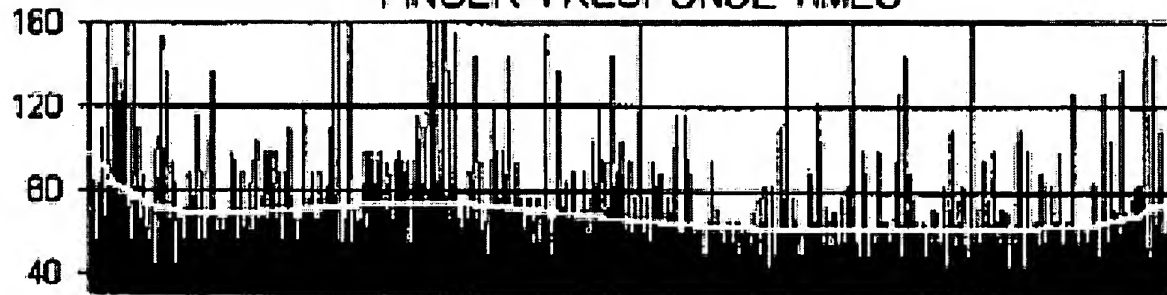
FINGER 2 RESPONSE TIMES



FINGER 3 RESPONSE TIMES



FINGER 4 RESPONSE TIMES



1 52 103 154 205 256 307 358 409 460 511 562 613 664 715 766 817

FIGURE 5: INSTRUCTIONS FOR PRE- CISE DECISION SPEED MEASUREMENT

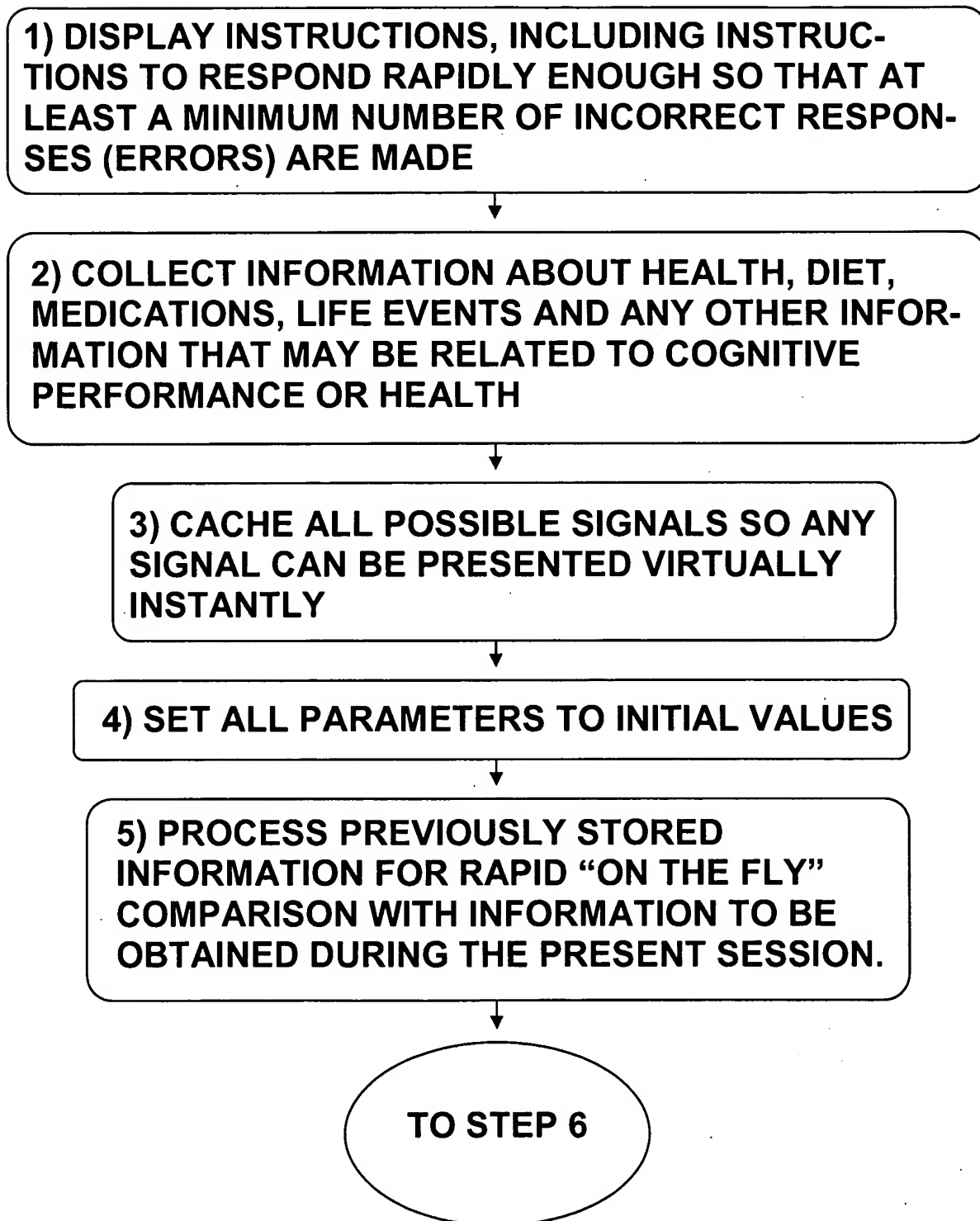


FIGURE 6A: WHEN BEGIN IS PRESSED

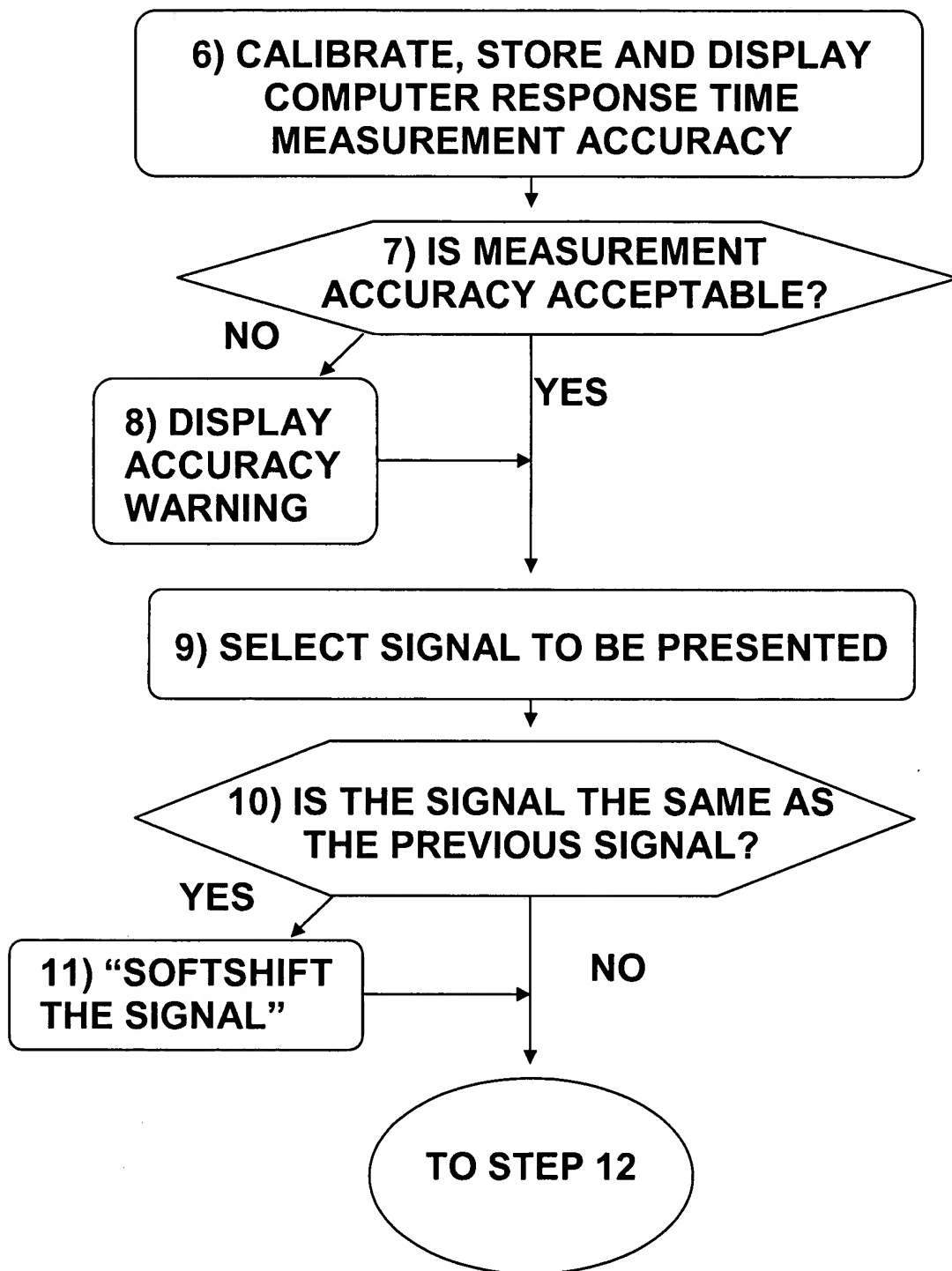


FIGURE 6A: WHEN BEGIN IS PRESSED

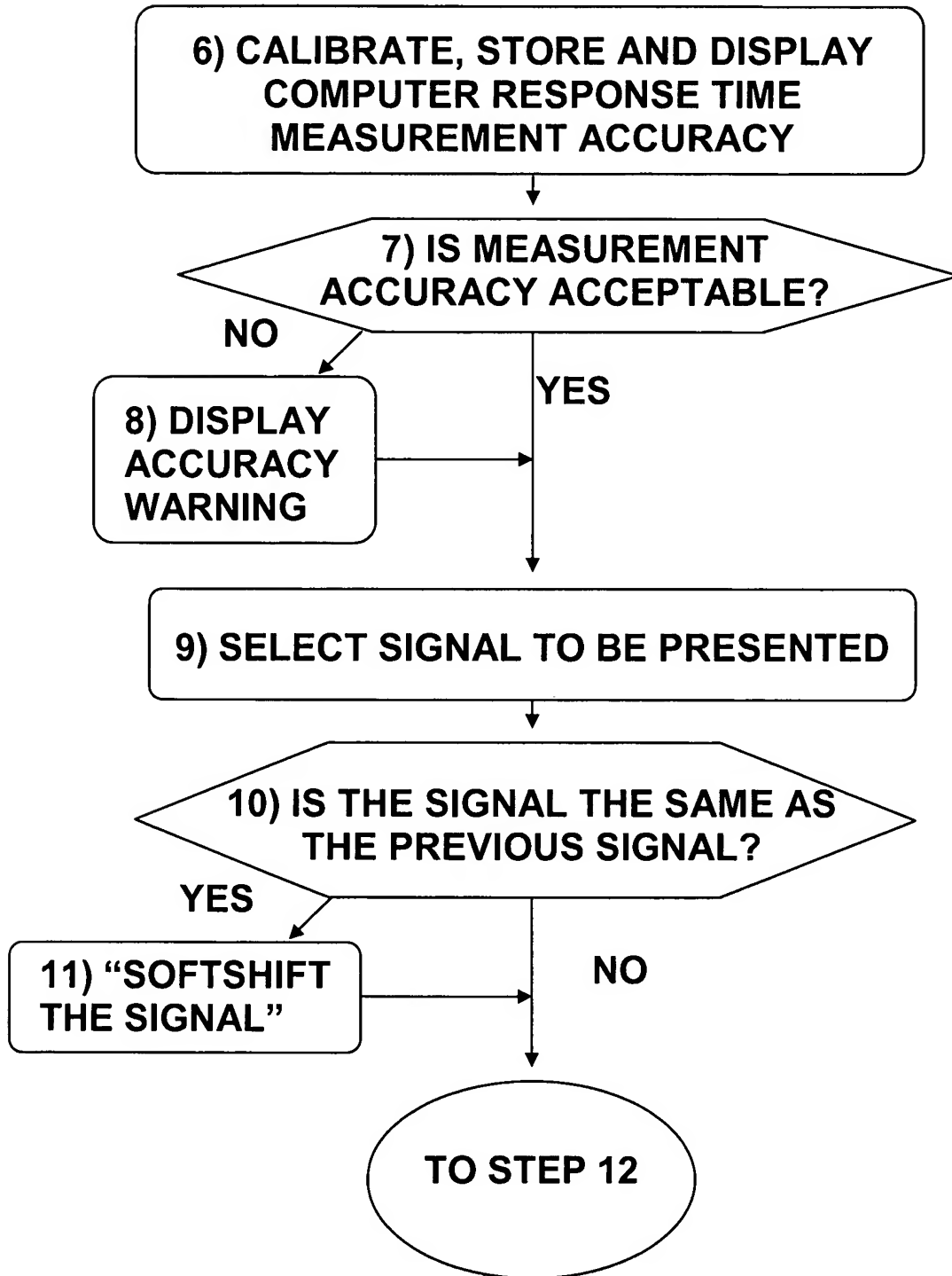


FIGURE 7A

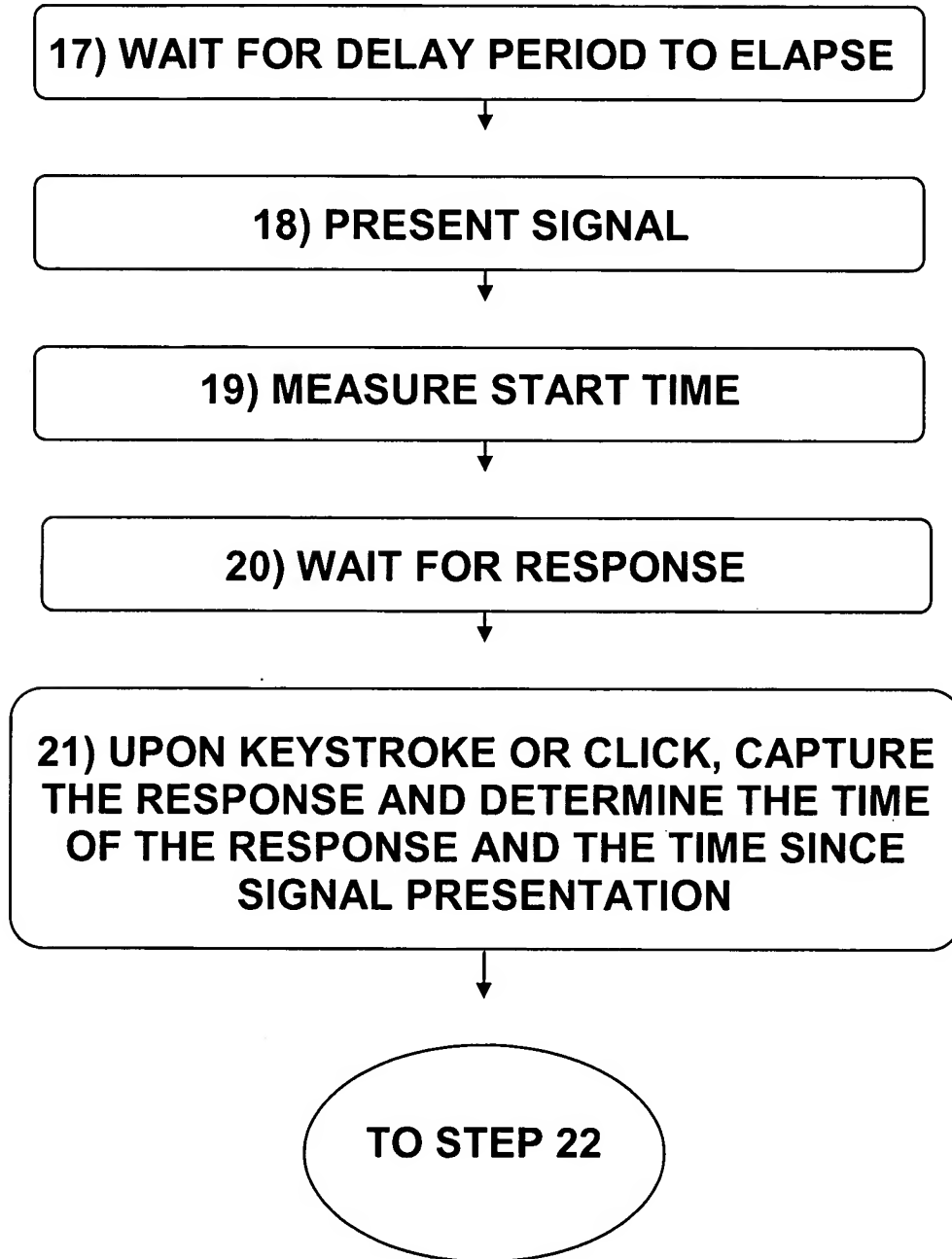


FIGURE 7B

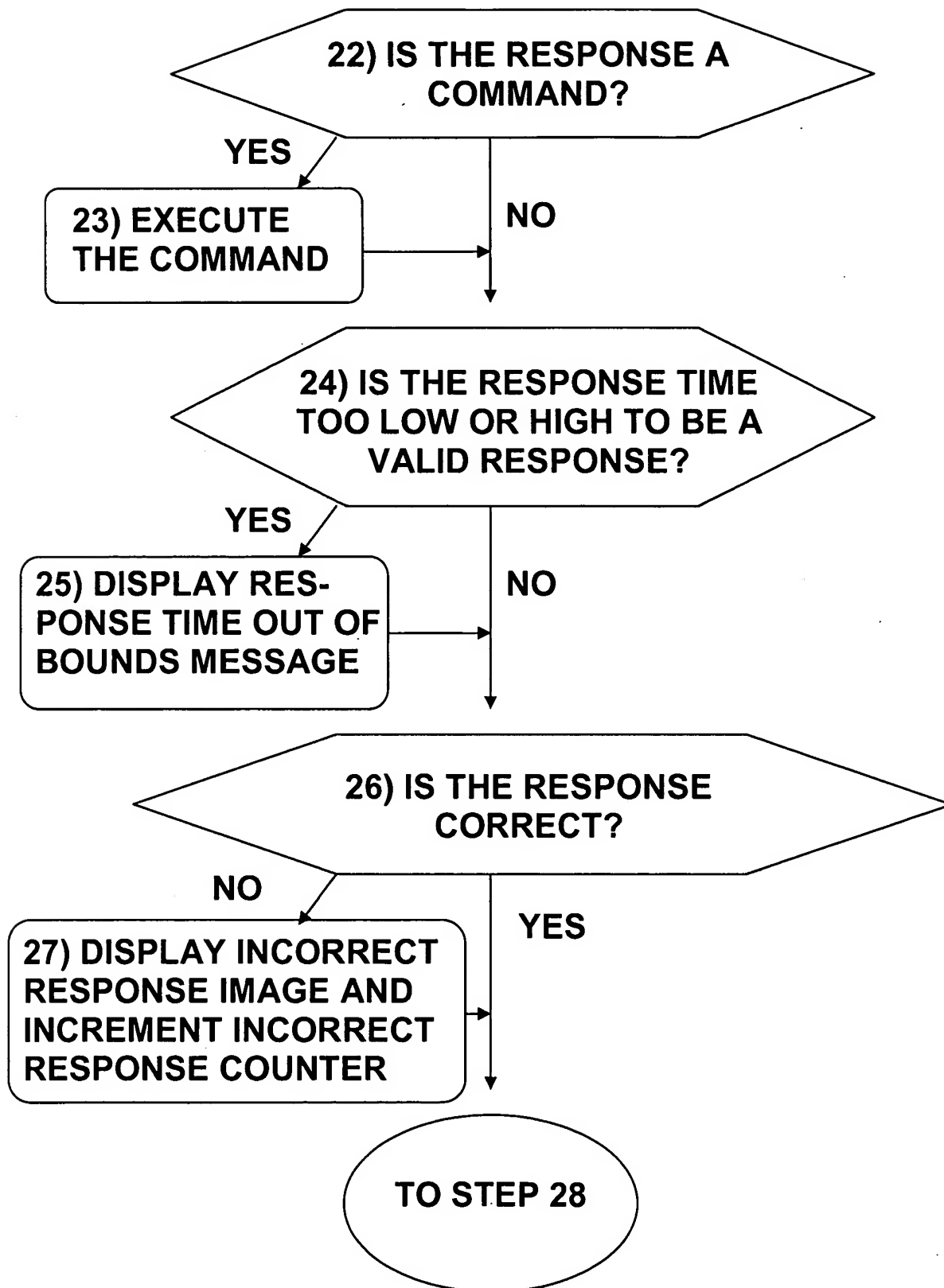


FIGURE 7C

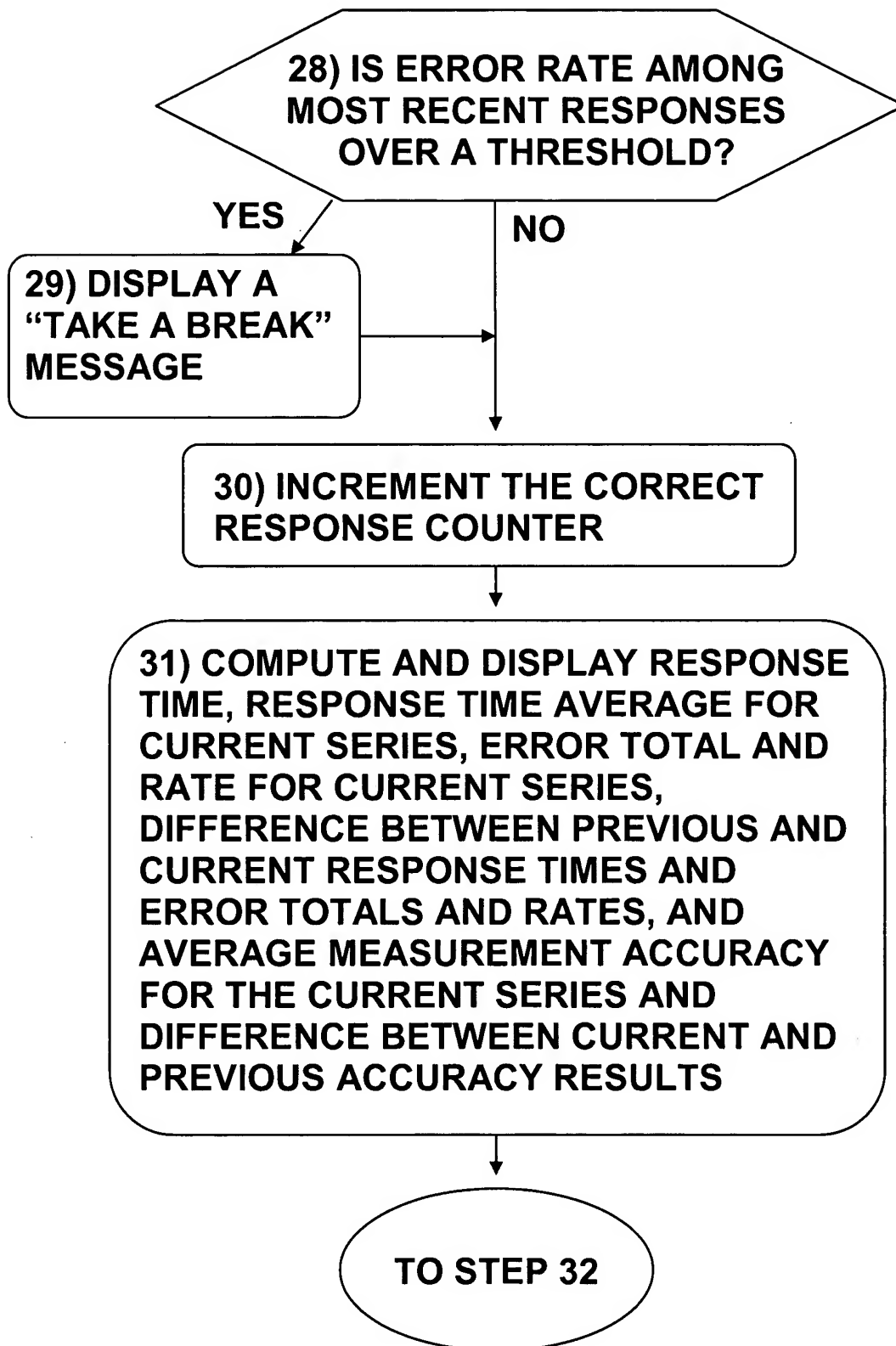


FIGURE 7D

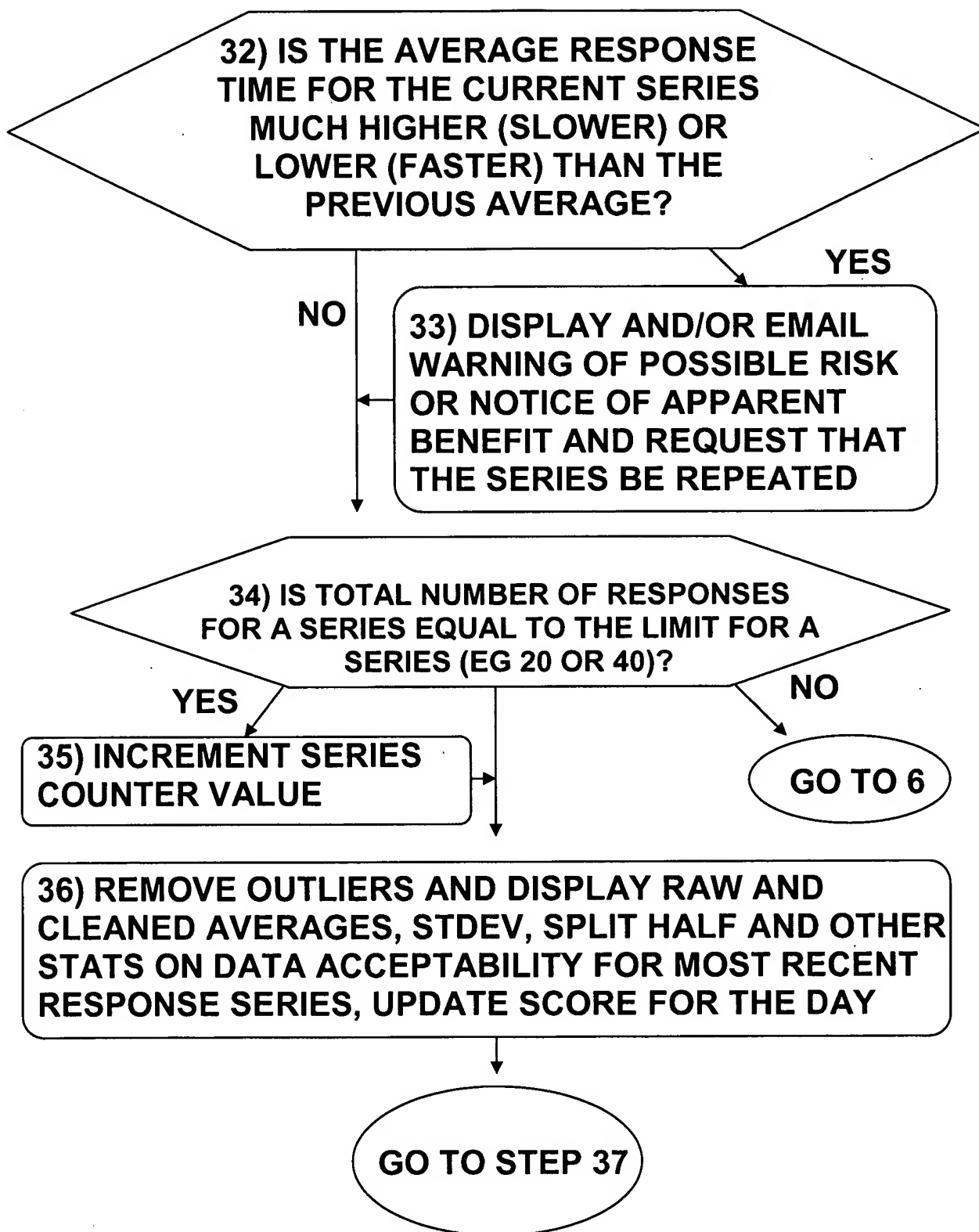


FIGURE 7E

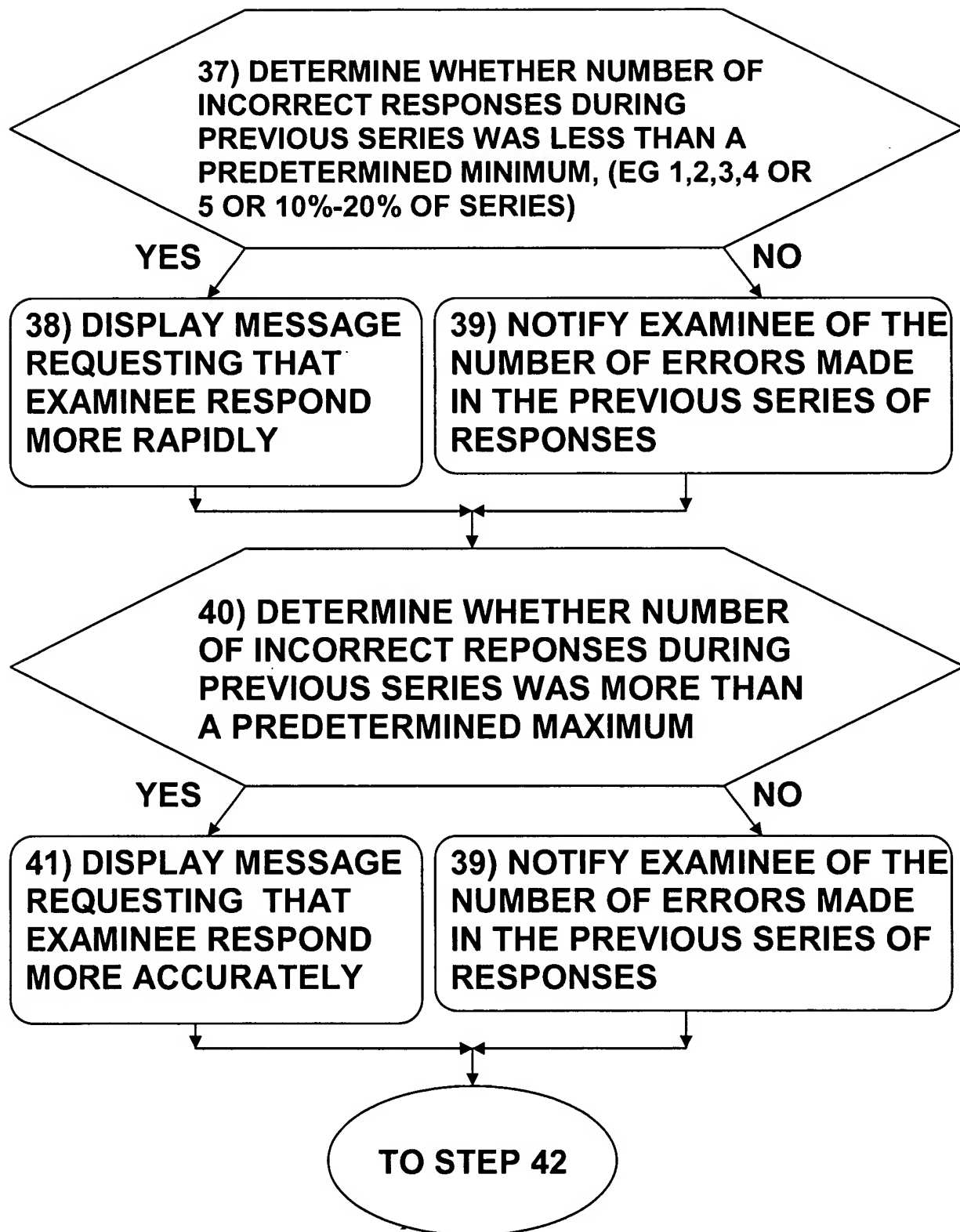


FIGURE 8A

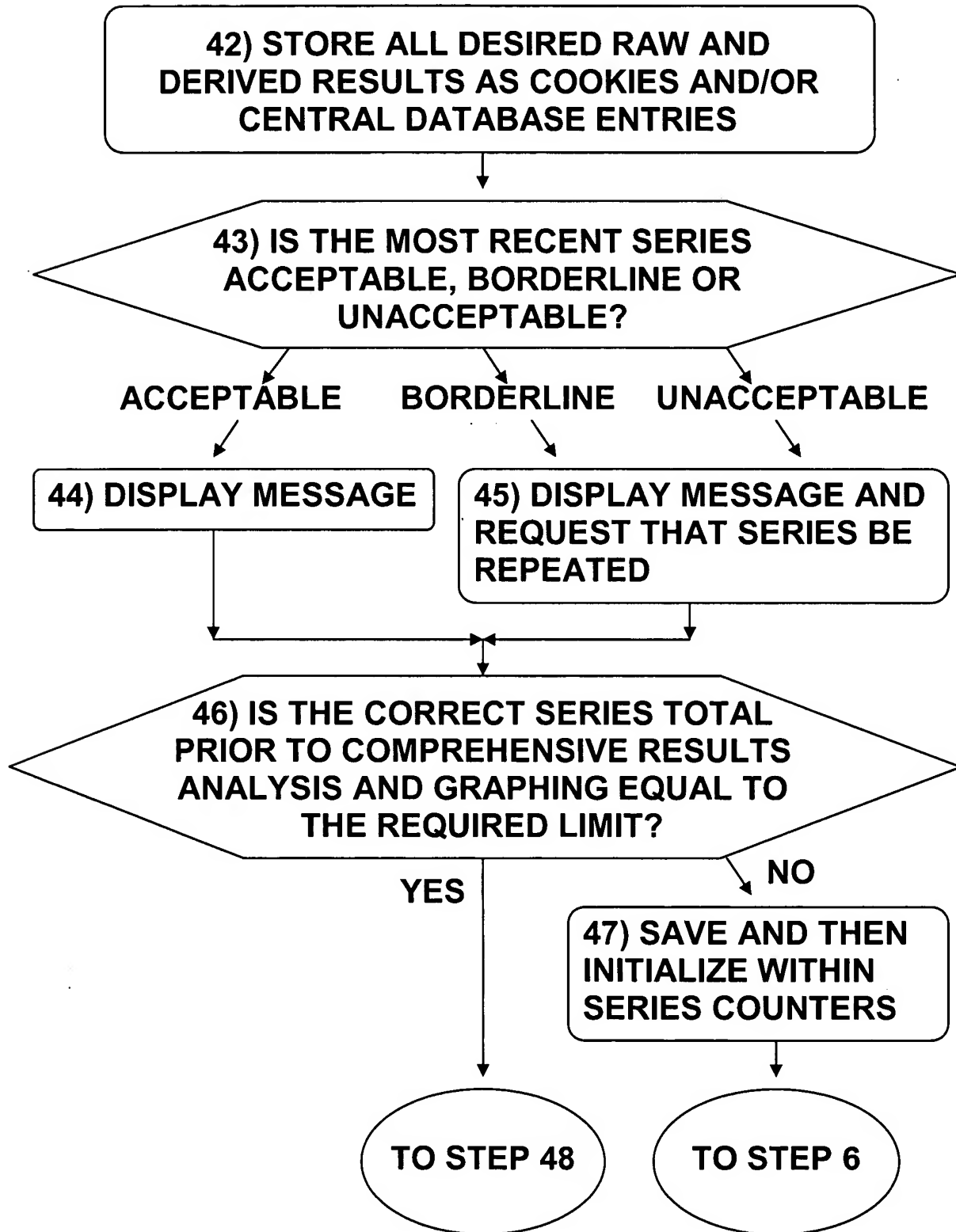


FIGURE 8B

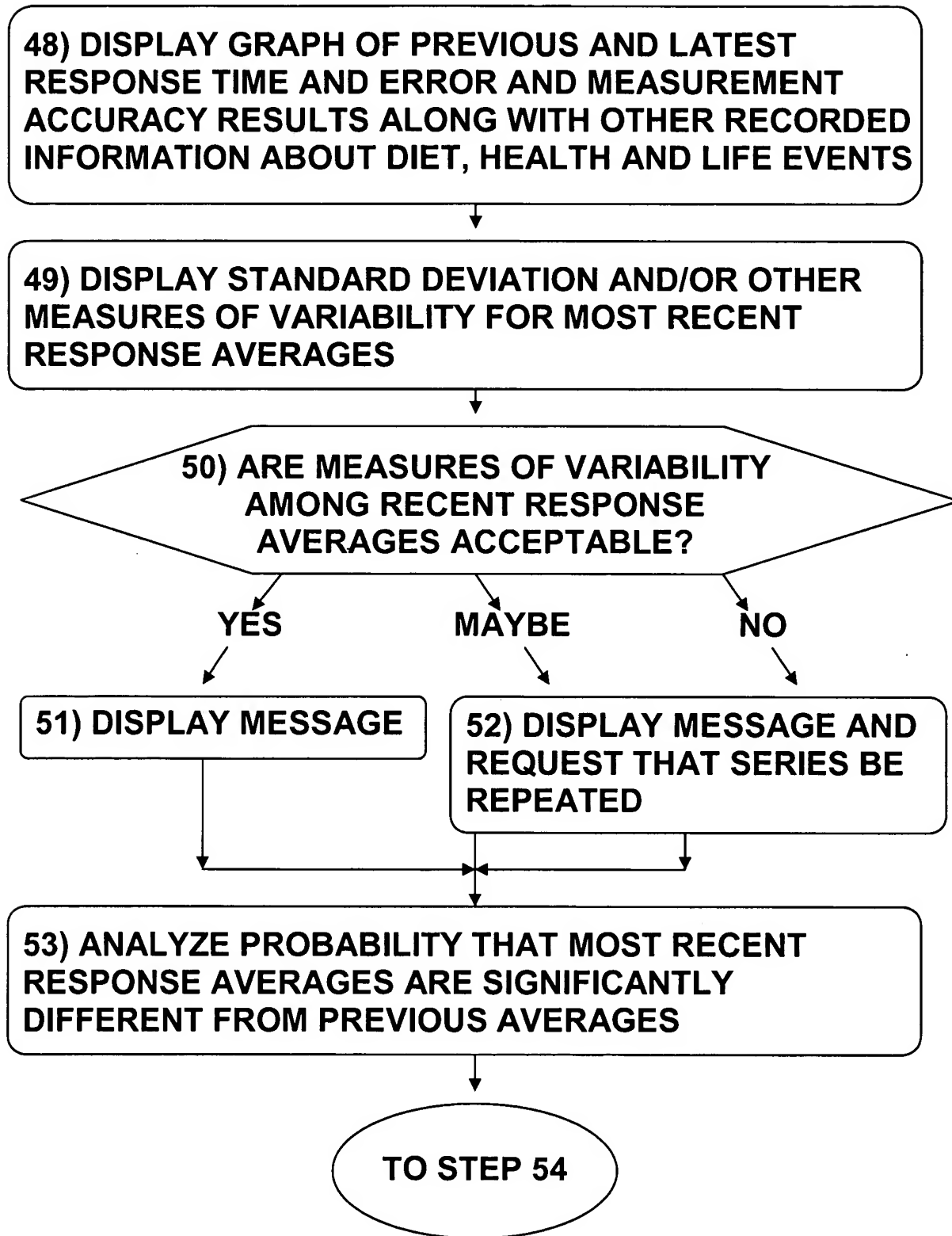


FIGURE 8C

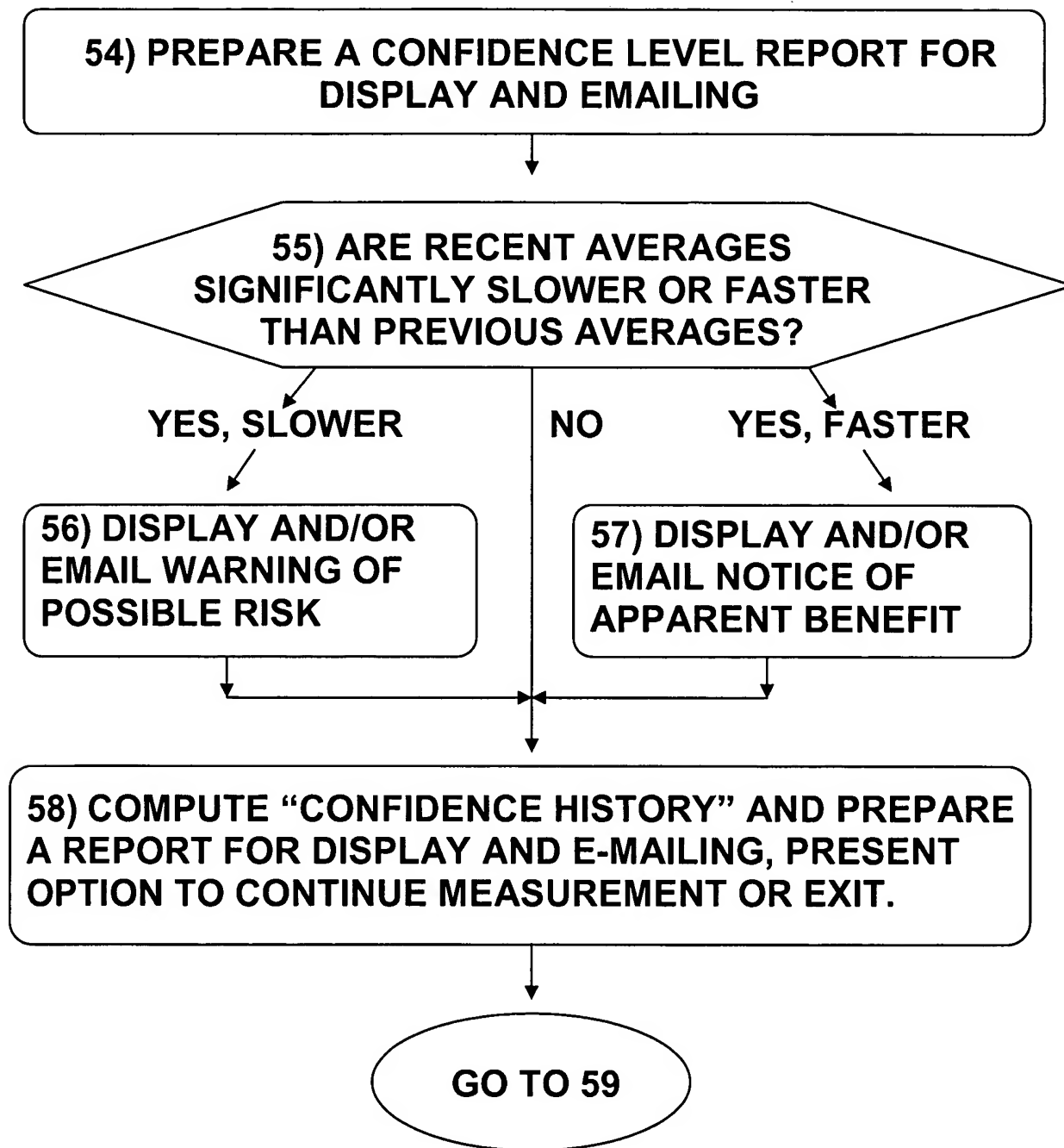


FIGURE 9A: OPTIMIZING HEALTH FACTORS

59) DISPLAY INSTRUCTIONS FOR GENERAL USE OF THE HEALTH & PERFORMANCE OPTIMIZATION WEB PAGE AND FOR DATA ENTRY. SUGGEST ANALYSES RELATED TO SPECIFIC HEALTH ISSUES LIKE DIABETES OR HEART IRREGULARITY AS WELL AS ATHLETIC AND COGNITIVE PERFORMANCE



60) DISPLAY SAMPLE DATA FOR PRACTICE WITH A CONCATENATED ENTRY LIKE ORANGE-JUICE



61) OFFER OPTIONS TO IDENTIFY HEALTH FACTORS BY BENEFITS OR HARM DURING THE SLICE OF TIME PRECEDING AND/OR FOLLOWING THEM: E.G. FOODS CONSUMED ON DAYS THAT WERE BETTER THAN PREVIOUS DAYS; OR FOODS CONSUMED ON ABOVE-AVERAGE DAYS EVEN IF THERE WAS NO IMPROVEMENT OVER THE PREVIOUS DAY; FOODS CONSUMED THE DAY BEFORE IMPROVEMENT OCCURRED; FOODS CONSUMED THE DAY BEFORE BETTER DAYS EVEN IF THERE WAS NO IMPROVEMENT OVER THE PREVIOUS DAY; FOODS CONSUMED TWO DAYS BEFORE IMPROVEMENT; FOODS CONSUMED ON THE DAY AFTER DAYS WHICH WERE BETTER THAN THE PREVIOUS DAY; OR A COMBINATION OF THESE TYPES OF TIME-SLICE ANALYSIS



GO TO 62

FIGURE 9B

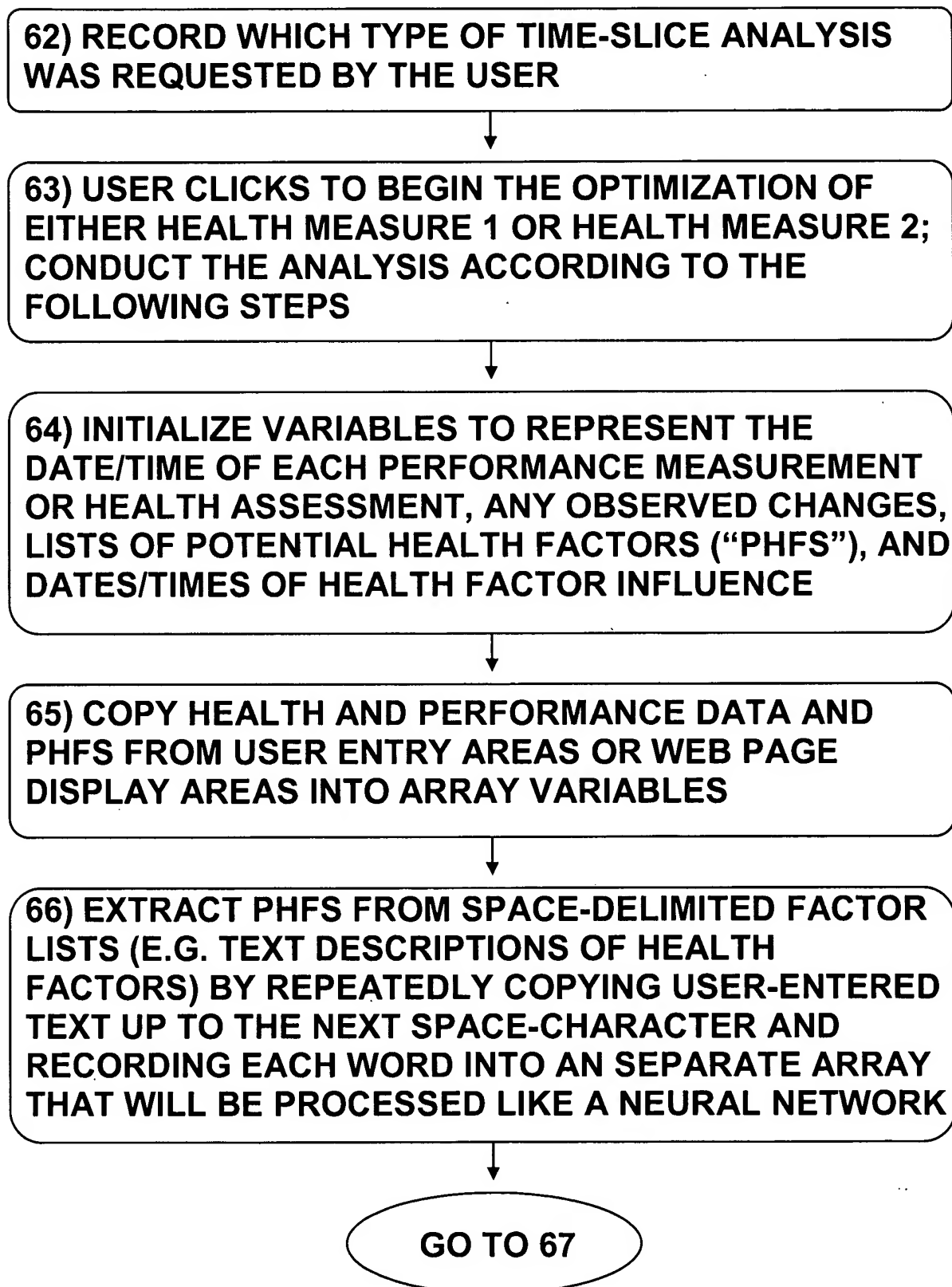


FIGURE 9C

67) COMPUTE HEALTH OR PERFORMANCE CHANGES ASSOCIATED WITH EACH TIME PERIOD (ACCORDING TO THE TYPE OF TIME-SLICE ANALYSIS REQUESTED) AND STORE CHANGES IN A SUITABLE ARRAY



68) TREAT EACH POTENTIAL HEALTH FACTOR ("PHF") LIKE A NERVE CELL THAT SUMS INPUT BY SUMMING THE PERFORMANCE CHANGES ASSOCIATED WITH EACH PHF AND STORE THE SUM IN A SUITABLE ARRAY, SO THAT EACH PHF (EACH WORD) HAS A NET PERFORMANCE CHANGE VALUE ASSOCIATED WITH IT THAT IS EQUAL TO THE SUM OF ALL CHANGES IN HEALTH OR PERFORMANCE ON THE DAY(S) BEFORE, DURING AND/OR AFTER PHF OCCURRENCE IN ACCORDANCE WITH THE REQUESTED TIME-SLICE ANALYSIS



69) PREVENT EXCESSIVE INFLUENCE BY SOME NERVE CELLS BY DIVIDING THE SUM OBTAINED IN STEP 68 ABOVE FOR EACH PHF BY THE NUMBER OF ITS OCCURRENCES IN THE ANALYZED DATA SET



70) SORT THE ORDER IN WHICH EACH PHF WILL BE DISPLAYED ACCORDING TO THE MAGNITUDE OF THE SUM ADJUSTED IN STEP 69 ABOVE



GO TO 71

FIGURE 9D

71) DISPLAY A LIST OF PHFS AND THE ADJUSTED NET PERFORMANCE CHANGE VALUE ASSOCIATED WITH EACH PHF IN SORTED ORDER



72) EXPLAIN THE SORTED LIST OF POTENTIAL HEALTH FACTORS BY FOR EXAMPLE INDICATING THAT “ITEMS LISTED FIRST APPEAR TO RAISE THE SELECTED HEALTH MEASURE” AND “ITEMS LISTED LAST APPEAR TO LOWER THE SELECTED HEALTH MEASURE”



73) OFFER THE OPTION OF EMAILING THE LIST TO ANY EMAIL ADDRESS ENTERED



74) CLOSE THE WINDOW DISPLAYING PHFS IN SORTED ORDER AND RETURN TO THE OPTIMIZATION WINDOW



75) TO FIND OTHER POTENTIALLY IMPORTANT HEALTH FACTORS, CONDUCT FOLLOW-UP ANALYSES ON THE SAME OR OTHER HEALTH OR PERFORMANCE MEASURES AFTER SELECTING DIFFERENT TIME-SLICE ANALYSIS OPTIONS

FIGURE 10: ENTRANCE PAGE LAYOUT

ENTRANCE PAGE BANNER

WELCOME PAGE

**INPUT CODE NAME
AND PASSWORD**

**QUESTIONS ABOUT HEALTH, SHARPNESS, FOODS,
SUPPLEMENTS, AND MEDICATIONS EACH DAY
THEN FILL THE INITIAL PAGE VIEW**

OPTIMIZATION PAGE BUTTON

QUESTION ABOUT HEALTH CHANGES

HEART RATE

TEMPERATURE

DEC SPEED

RECALL

WORD RECLL

FIGURE 11: OPTIMIZATION PAGE LAYOUT

ENTRANCE PAGE BANNER

Health and Performance Optimization Page

WELCOMING TEXT APPEARS HERE – PLEASE
SEE STEP 59 OF SPECIFICATION FOR DETAILS

TRY SAMPLE DATA

FORMAT INSTR

MAIN TEXT DATA DISPLAY AND INPUT TABLE OCCUPIES THE CENTER OF THE PAGE AND THE REMAINDER OF THE INITIAL PAGE VIEW. THIS TABLE HAS FOUR COLUMNS IN THE FOLLOWING ORDER: DAY OF WEEK, FOOD LIST, HEALTH MEASURE 1, HEALTH MEASURE 2.

RECALL DATA

CONTROL PANEL

OPTIMIZE MEASURE 1

OPTIMIZE MEASURE 2

SAVE DATA

CLEAR DATA

SEND RECOMMENDATIONS

FIGURE 12: ORDERED LIST OF FOODS PRODUCED BY THE OPTIMIZATION PAGE

ITEMS LISTED FIRST APPEAR TO RAISE
THE SELECTED HEALTH MEASURE.

FOOD	RATING
OATMEAL	1.5
TEA	1.5
MILK	1
APPLES	0.85
BREAD	0.85
EGGS	0
ORANGE-JUICE	0

ITEMS LISTED LAST APPEAR TO LOWER
THE SELECTED HEALTH MEASURE.

SEND EMAIL COPY TO

CLOSE WINDOW